

STIC-Biotech/ChemLib

128 035

mej

From: Kaushal, Sumesh
Sent: Monday, July 26, 2004 10:32 AM
To: STIC-Biotech/ChemLib
Subject: 09987763: Interference and Sequence search

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(STIC)

09/987,763: Interference and Sequence search

Nucleotide sequences for transcriptional regulation in corynebacterium glutamicum

Please search

- **SEQ ID NO:7** **DNA 500nt long**
- **Oligo search SEQ ID NO:7**

thanks

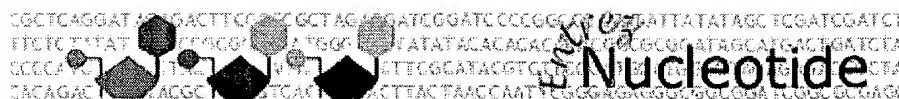
S. Kaushal

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Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____



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gDNA encoding dihydrodipicolinate reductase (DDPR)
gi|5711435|dbj|E16752.1||pat|JP|1998215883|10|5711435|

Links

Entrez Tools

Check sequence
revision history

Gene coding dihydrodipicolinate reductase originating from *Brevibacterium flavum*
gi|2177004|dbj|E08900.1||pat|JP|1995075578|1[2177004]

Links

LinkOut

Related resources
BLAST

B.lactofermentum dapA and dapB genes for dihydrodipicolinate synthase and dihydrodipicolinate reductase
gi|311767|emb|Z21502.1|BLDAPAB[311767]

Links

Reference sequence
project

Search for Genes

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Search for full length
cDNAs

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NCBI | NLM | NIH

Jul 20 2004 06:47:09

82-7 DDP



results of BLAST

BLASTN 2.2.9 [May-01-2004]

Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1096486610-6400-110327854757.BLASTQ4

Query=

(500 letters)

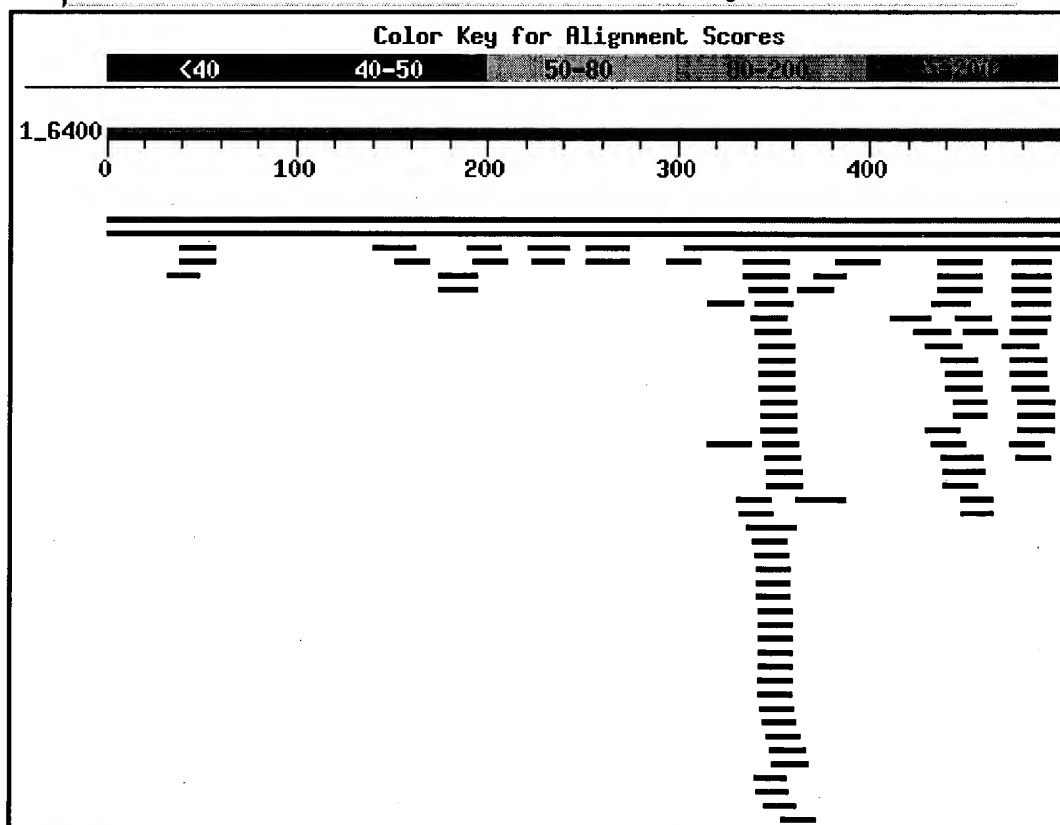
Database: All GenBank+EMBL+DDBJ+PDB sequences (but no EST, STS, GSS, environmental samples or phase 0, 1 or 2 HTGS sequences)
2,611,568 sequences; 11,840,914,473 total letters

If you have any problems or questions with the results of this search please refer to the [BLAST FAQs](#)

[Taxonomy reports](#)

Distribution of 100 Blast Hits on the Query Sequence

Mouse-over to show defline and scores. Click to show alignments



Sequences producing significant alignments:

	Score (bits)	E Value	
gi 21325571 dbj AP005283.1 <i>Corynebacterium glutamicum</i> ATCC...	944	0.0	
gi 41326831 emb BX927156.1 <i>Corynebacterium glutamicum</i> ATCC...	944	0.0	
gi 50428370 dbj AB115088.1 <i>Corynebacterium glutamicum</i> ldhA...	383	e-103	
gi 42473960 emb BX813745.1 CNS0ADOL <i>Arabidopsis thaliana</i> Fu...	46	0.075	U
gi 2160155 gb AC000132.1 F21M12 Sequence of BAC F21M12 from...	46	0.075	E
gi 42571420 ref NM_202072.1 <i>Arabidopsis thaliana</i> shaggy-re...	46	0.075	GU
gi 51235292 gb AY582139.1 <i>Panax ginseng</i> chloroplast, compl...	42	1.2	
gi 8649459 emb AL137028.9 Human DNA sequence from clone RP...	42	1.2	E
gi 11245194 gb AF302055.1 AF302055 <i>Ceratosolen constrictus</i> ...	42	1.2	
gi 12000430 gb AC026369.2 AC026369 <i>Homo sapiens</i> 12 BAC RP1...	42	1.2	
gi 30409931 gb AC132324.3 <i>Mus musculus</i> BAC clone RP24-270C...	40	4.6	
gi 34536808 gb AC132950.3 <i>Mus musculus</i> BAC clone RP23-183C...	40	4.6	
gi 25146813 ref NM_171036.1 <i>Caenorhabditis elegans</i> human P...	40	4.6	GU
gi 25146810 ref NM_171035.1 <i>Caenorhabditis elegans</i> human P...	40	4.6	GU
gi 25141254 ref NM_170866.1 <i>Caenorhabditis elegans</i> g-prote...	40	4.6	GU
gi 17508274 ref NM_059222.1 <i>Caenorhabditis elegans</i> g-prote...	40	4.6	GU
gi 24962957 gb AC114915.3 <i>Mus musculus</i> BAC clone RP23-54K2...	40	4.6	
gi 1947136 gb AF000264.1 <i>Caenorhabditis elegans</i> cosmid F43...	40	4.6	
gi 1825651 gb U88174.1 <i>Caenorhabditis elegans</i> cosmid M01A1...	40	4.6	
gi 31194046 gb AC124599.4 <i>Mus musculus</i> chromosome UL clone...	40	4.6	
gi 51315608 gb AC110908.13 <i>Mus musculus</i> chromosome 7, clon...	40	4.6	
gi 47777590 gb AC142504.2 <i>Mus musculus</i> BAC clone RP24-132F...	40	4.6	
gi 23494433 dbj AP005223.1 <i>Corynebacterium efficiens</i> YS-31...	40	4.6	
gi 14348385 emb AL359236.4 CNS05TEN Human chromosome 14 DNA...	40	4.6	
gi 1235943 emb Z70265.1 CEC05A9 <i>Caenorhabditis elegans</i> cosm...	40	4.6	
gi 27848032 emb AL935289.4 Zebrafish DNA sequence from clo...	40	4.6	
gi 28172233 emb AL928690.9 Mouse DNA sequence from clone R...	40	4.6	
gi 4091981 gb AF076155.1 AF076155 <i>Arabidopsis thaliana</i> CRT/...	40	4.6	G
gi 13129527 gb AC090524.1 AC090524 <i>Caenorhabditis briggsae</i> ...	40	4.6	
gi 38259258 gb AC125326.4 <i>Mus musculus</i> BAC clone RP23-320H...	40	4.6	
gi 46406491 emb BX897657.8 Zebrafish DNA sequence from clo...	40	4.6	
gi 38093883 gb AC129318.4 <i>Mus musculus</i> BAC clone RP23-464B...	38	18	
gi 37497218 gb AC140191.2 <i>Mus musculus</i> BAC clone RP24-375E...	38	18	
gi 33005017 gb AC124576.4 <i>Mus musculus</i> BAC clone RP23-162H...	38	18	
gi 21322206 gb AC004690.2 <i>Homo sapiens</i> PAC clone RP4-630C2...	38	18	E
gi 12641978 gb AF200389.1 <i>Ceratosolen vechti</i> cytochrome ox...	38	18	
gi 12641972 gb AF200387.1 <i>Ceratosolen dentifer</i> cytochrome ...	38	18	
gi 14574420 gb AC024830.2 <i>Caenorhabditis elegans</i> cosmid Y5...	38	18	
gi 1326257 gb U58727.1 <i>Caenorhabditis elegans</i> cosmid D1005...	38	18	
gi 42734280 emb BX088536.8 Zebrafish DNA sequence from clo...	38	18	
gi 14336723 gb AE006465.1 <i>Homo sapiens</i> 16p13.3 sequence se...	38	18	E
gi 29570850 gb AC009041.10 <i>Homo sapiens</i> chromosome 16 clon...	38	18	
gi 29366999 gb AC018665.9 <i>Homo sapiens</i> chromosome 17, clon...	38	18	
gi 40789200 emb BX088569.3 Mouse DNA sequence from clone R...	38	18	
gi 28828686 gb AC116984.2 <i>Dictyostelium discoideum</i> chromos...	38	18	
gi 48525361 gb AC104712.2 <i>Oryza sativa</i> (japonica cultivar-...	38	18	
gi 13751498 emb AL451103.7 Human DNA sequence from clone R...	38	18	
gi 4757413 dbj AB026657.1 <i>Arabidopsis thaliana</i> genomic DNA...	38	18	
gi 10120130 emb AL391122.9 Human DNA sequence from clone R...	38	18	
gi 15723086 emb AL449266.17 Human DNA sequence from clone ...	38	18	
gi 473196 emb X78726.1 CTPLORE <i>Chlamydia muridarum</i> Nigg II ...	38	18	G
gi 47679108 gb AC147961.3 <i>Medicago truncatula</i> chromosome 7...	38	18	
gi 47551358 gb AC104271.2 <i>Oryza sativa</i> (japonica cultivar-...	38	18	
gi 14248535 gb AF217081.1 <i>Takydromus toyamai</i> 12S ribosomal...	38	18	
gi 45356331 gb AC130827.3 <i>Mus musculus</i> BAC clone RP23-405I...	38	18	

gi 18376855 gb AC008472.8	Homo sapiens chromosome 5 clone ...	38	18
gi 14589691 gb AC013437.8	Homo sapiens BAC clone RP11-190J...	38	18
gi 17155031 gb AC011383.6	Homo sapiens chromosome 5 clone ...	38	18
gi 2814209 emb Z83119.1 CER05H10	Caenorhabditis elegans cos...	38	18
gi 15144443 gb AC068274.5	Homo sapiens BAC clone RP11-119B...	38	18
gi 18376525 emb Z81535.3 CEF38A1	Caenorhabditis elegans cos...	38	18
gi 50252321 dbj AP005093.3	Oryza sativa (japonica cultivar...	38	18
gi 38678122 dbj AP005397.2	Oryza sativa (japonica cultivar...	38	18
gi 12643082 gb AC015801.25 AC015801	Homo sapiens chromosome...	38	18
gi 45267973 gb AC135396.30	Medicago truncatula clone mth2-...	38	18
gi 7190951 gb AE002162.1 AE002162	Chlamydia muridarum plasm...	38	18 G
gi 24395145 emb AL840632.7	Mouse DNA sequence from clone R...	38	18
gi 21911531 emb AL671706.8	Mouse DNA sequence from clone R...	38	18
gi 13751702 emb AL024496.7 HS422E10	Human DNA sequence from...	38	18
gi 12001745 emb AL163613.2 CNS01RIJ	Human chromosome 14 DNA...	38	18
gi 16973802 emb AL158036.14	Human DNA sequence from clone ...	38	18
gi 15384629 emb AL356102.13	Human DNA sequence from clone ...	38	18
gi 11493224 emb AL138721.16	Human DNA sequence from clone ...	38	18
gi 11121203 emb AL121900.26 HSBA379J5	Human DNA sequence fr...	38	18 E
gi 46399275 emb BX908798.1	Parachlamydia-related symbiont ...	38	18
gi 26100185 dbj AK081795.1	Mus musculus 16 days embryo hea...	38	18 U
gi 11231151 dbj AB051154.1	Macaca fascicularis brain cDNA,...	38	18 E
gi 3132248 dbj AB010415.1	Actinobacillus actinomycetemcomi...	38	18
gi 5545311 dbj AB030032.1	Actinobacillus actinomycetemcomi...	38	18
gi 19031317 emb AL157709.17	Human DNA sequence from clone ...	38	18
gi 40018659 gb AC007616.5	Homo sapiens chromosome 16 clone...	36	73
gi 37497214 gb AC132303.3	Mus musculus BAC clone RP24-281P...	36	73
gi 38502333 gb AC092350.4	Homo sapiens chromosome 16 clone...	36	73
gi 27597036 gb AC112271.4	Mus musculus BAC clone RP24-121H...	36	73
gi 29373194 gb AC125177.4	Mus musculus BAC clone RP23-315H...	36	73
gi 22296784 gb AC121955.2	Mus musculus BAC clone RP24-223N...	36	73
gi 21536170 gb AC117217.2	Mus musculus BAC clone RP23-318C...	36	73
gi 34104646 gb AE016922.1	Chromobacterium violaceum ATCC 1...	36	73
gi 16445197 gb AC084438.5	Homo sapiens BAC clone RP11-89D1...	36	73
gi 37534987 ref NM_196814.1	Oryza sativa (japonica cultiva...	36	73 GU
gi 34850552 gb AC110039.12	Mus musculus, clone RP23-264N6,...	36	73
gi 31226221 ref XM_317674.1	Anopheles gambiae ENSANGP00000...	36	73 GU
gi 52219302 gb AC115724.10	Mus musculus chromosome 3, clon...	36	73
gi 31432425 gb AE017101.1	Oryza sativa (japonica cultivar-...	36	73
gi 21281633 gb U21309.2	Caenorhabditis elegans cosmid C13B...	36	73
gi 30061453 gb AC094022.3	Homo sapiens chromosome 1 clone ...	36	73
gi 20988830 gb BC030284.1	Homo sapiens, Similar to hypothe...	36	73 U
gi 15809175 gb AC068547.7	Homo sapiens BAC clone RP11-458J...	36	73
gi 15638780 gb AC024032.5	Homo sapiens BAC clone RP11-196J...	36	73
gi 18093061 gb AC024022.6	Homo sapiens BAC clone RP11-63A1...	36	73

Alignments

☒ >gi|21325571|dbj|AP005283.1| **D** Corynebacterium glutamicum ATCC 13032 DNA, comple
 Length = 325651

Score = 944 bits (476), Expect = 0.0
 Identities = 494/500 (98%)
 Strand = Plus / Minus